## Helping to End Addiction Long-term (HEAL) Update

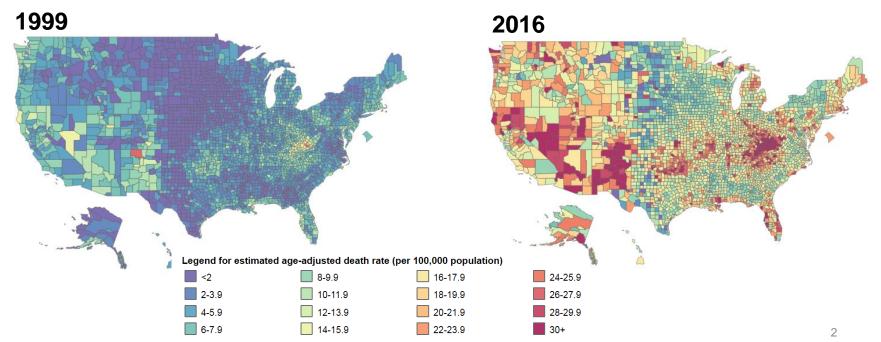
Multi-Disciplinary Working Group Meeting January 31, 2019

- Francis Collins, MD, PhD, Director, National Institutes of Health
- Nora Volkow, MD, Director, National Institute on Drug Abuse
- Walter Koroshetz, MD, Director, National Institute of Neurological Disorders and Stroke



## The Crisis: National Overdose Death Rates

In 2017, there were 70,237 overdose deaths (9.6% higher than 2016)



Source: https://www.cdc.gov/nchs/data-visualization/drug-poisoning-mortality/index.htm

# The Response: Helping to End Addiction Long-term (HEAL) Initiative

- Trans-NIH research initiative to:
  - Improve prevention and treatment strategies for opioid misuse and addiction
  - Enhance pain management
- Goals are scientific solutions to the opioid crisis
- Coordinating with the HHS Secretary, Surgeon General, federal partners, local government officials and communities





# Helping to End Addiction Long-term (HEAL) Initiative: At a glance

- \$500M/year Trans NIH effort
  - Over \$850M to be obligated in FY2019
- 12 NIH Institute and Centers leading 26 HEAL research projects
  - Over 20 collaborating Institutes, Centers and Offices
  - From prevention research, basic and translational research, clinical trials, to implementation science
  - Multiple projects integrating research into new settings
    - e.g. health care, criminal justice, Medicare populations etc.
- Released 36 funding announcements for FY2019

# Improving Prevention and Treatment for Opioid Misuse and Addiction

### Priority Research Areas:

Expand Therapeutic Options

Optimize Effective Treatments Develop
New/Improved
Prevention &
Treatment Strategies

Enhance Treatments for Infants with NAS/NOWS

### Research Opportunities:

- New formulations
- Longer duration
- Respiratory depression
- Immunotherapy
- New targets and approaches

- Clinical trials expansion
- Criminal justice innovation
- Behavioral interventions
- HEALing Communities Study

- Transition to adulthood
- Sleep dysfunction
- Early/moderate OUD
- Optimal length of Tx
- Collaborative care

- Advancing Clinical Trials for NOWS (ACT NOW)
- HEAL BCD Study



## **HEAL Programs for Pain Cover the Research Spectrum**

Implementation/ **Discovery Preclinical Development Clinical Trials** Dissemination **Acute to Chronic Pain Signatures Discover and Validate Novel Targets for Safe and Effective Pain Treatment Preclinical Screening Platforms + Novel Drug Development Translating Discoveries Into Effective Devices For Pain Treatment** Discovery and Validation of Biomarkers, Biomarker Signatures, and Endpoints for Pain Indications Data & Asset **Early Phase Pain** Sharing **Clinical Network Partnership Back Pain Research Consortium** Hemodialysis **Pain Effectiveness** Pain Research **Management** 



Pragmatic and Implementation Studies for the Management of Pain

## NIH Helping to End Addiction Long-term (HEAL) Initiative: Governance Overview

